

## BI-3406, SOS1 inhibitor

Catalog	Unit
TBI3956-5MG	5 mg
TBI3956-25MG	25 mg

### Product Details

**Formal Name:** N-[(1R)-1-[3-Amino-5-(trifluoromethyl)phenyl]ethyl]-7-methoxy-2-methyl-6-[(3S)-oxolan-3-yl]oxyquinazolin-4-amine

**Molecular Formula:** C<sub>23</sub>H<sub>25</sub>F<sub>3</sub>N<sub>4</sub>O<sub>3</sub>

**Formula Weight:** 462.5

**CAS Number:** 2230836-55-0

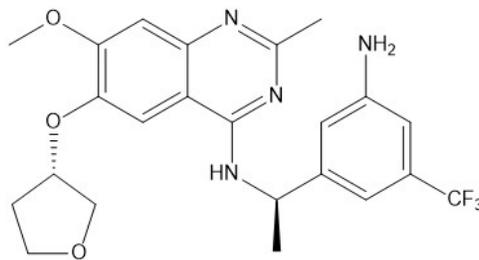
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 70 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

SOS1 inhibitor

### Functions

Potent (IC<sub>50</sub> = 5 nM), selective, and orally bioavailable SOS1 inhibitor. It blocks SOS1 interaction with KRAS preventing activation of KRAS. BI-3406 was active against multiple cancer cell types and xenograft models harboring various KRAS mutant alleles including G12C, V, S, A, and G13D. It displayed strong synergistic effects with the MEK inhibitor trametinib and this combination was able to overcome resistance to the KRAS inhibitors sotorasib and adagrasib. BI-3406 acted synergistically with the KRAS inhibitor adagrasib in KRAS G12C mutant lung and colorectal cancer models.

### Application Procedures

First dissolved in DMSO (up to 70 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

**For research use only.**